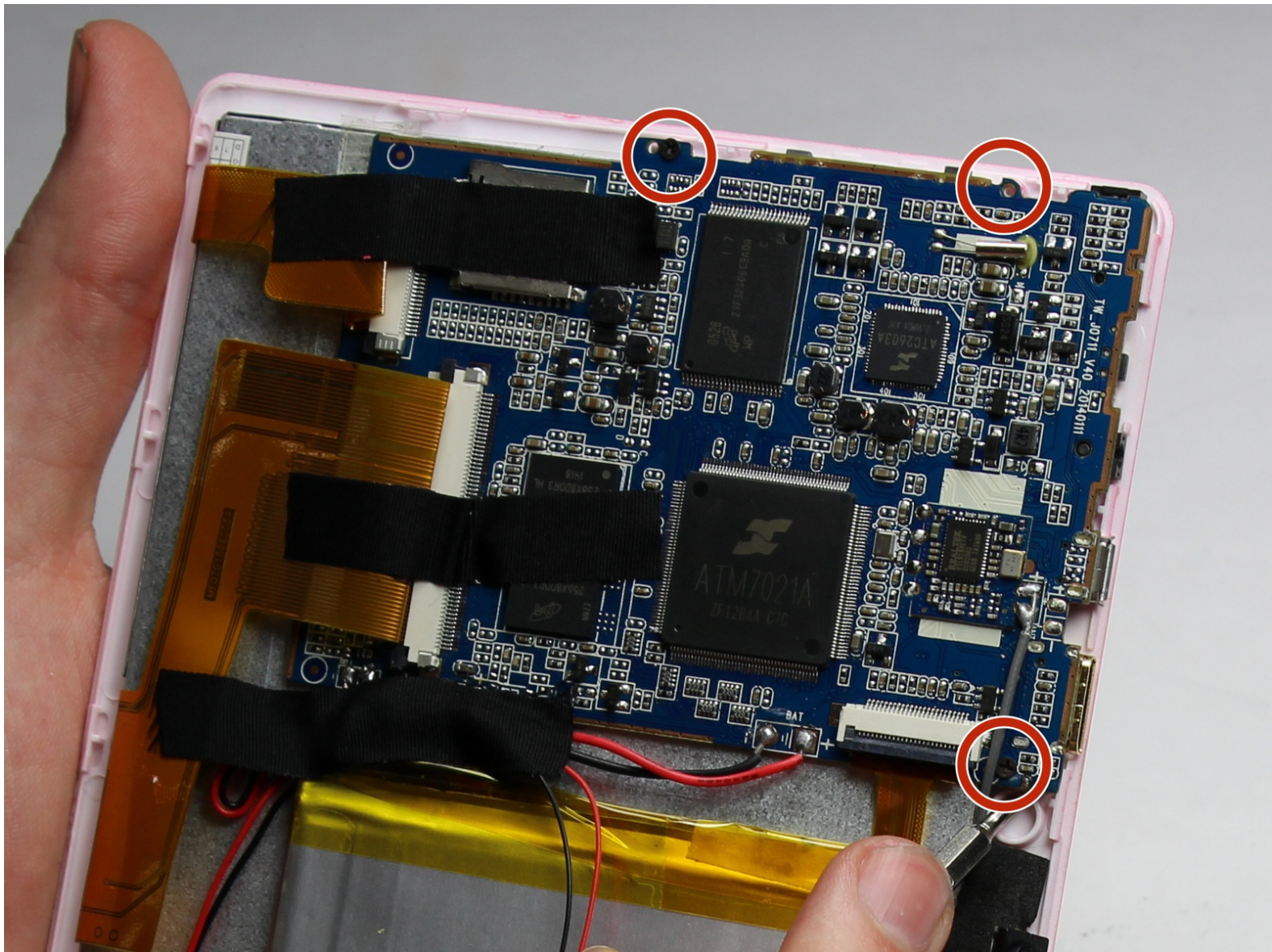




Chromo Noria Motherboard Replacement

This is a replacement guide for the motherboard.

Written By: Nick Rohn



INTRODUCTION

This guide will take you through the necessary steps in order to replace it. Don't let the length of this guide intimidate you! If you've got the necessary tools, you can fix your device!



TOOLS:

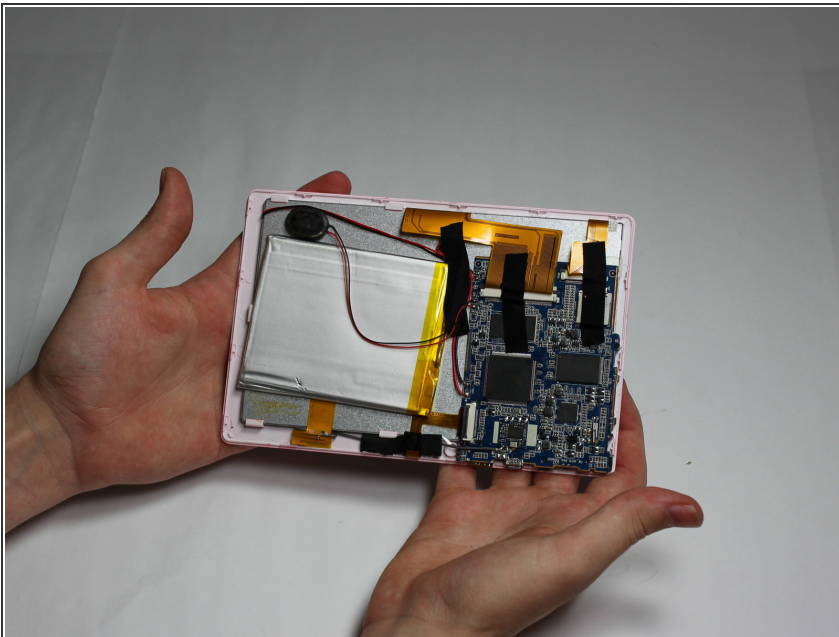
- [Heavy-Duty Spudger](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Soldering Station](#) (1)
 - [Tweezers](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
-

Step 1 — Back Panel



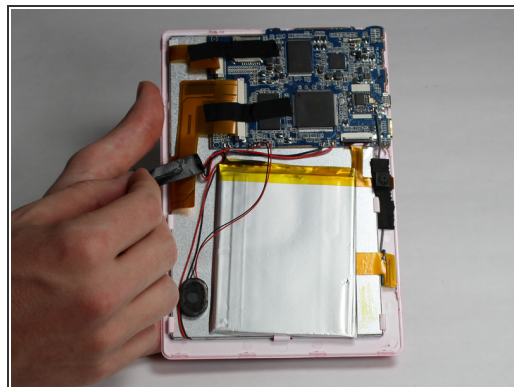
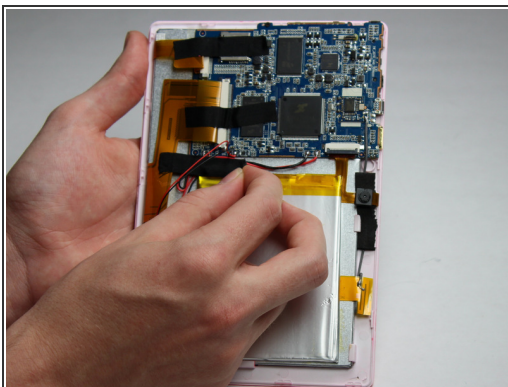
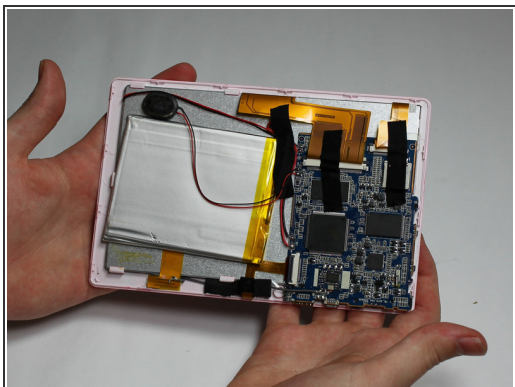
- Insert your Plastic Opening Tool into the crease between the front panel and back panel.
- Slide the Opening Tool around the entire device. As you progress, you should see the device open.

Step 2



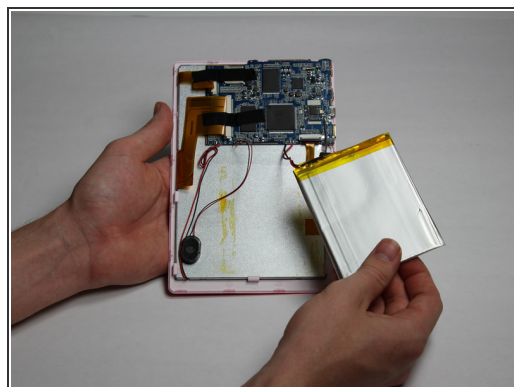
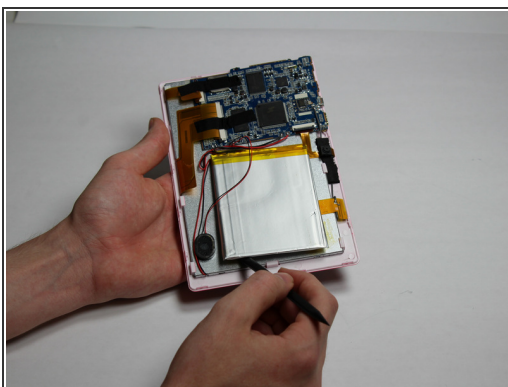
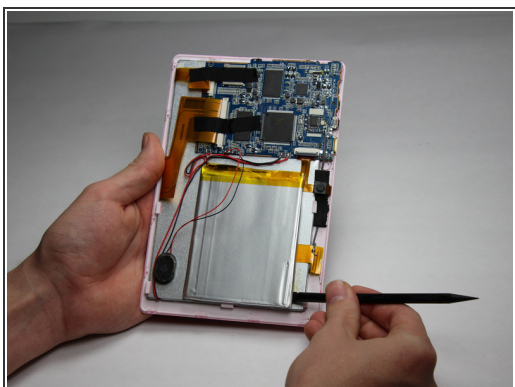
- Carefully turn the device over.
- Lay the back panel aside so you can see the device's parts.

Step 3 — Battery



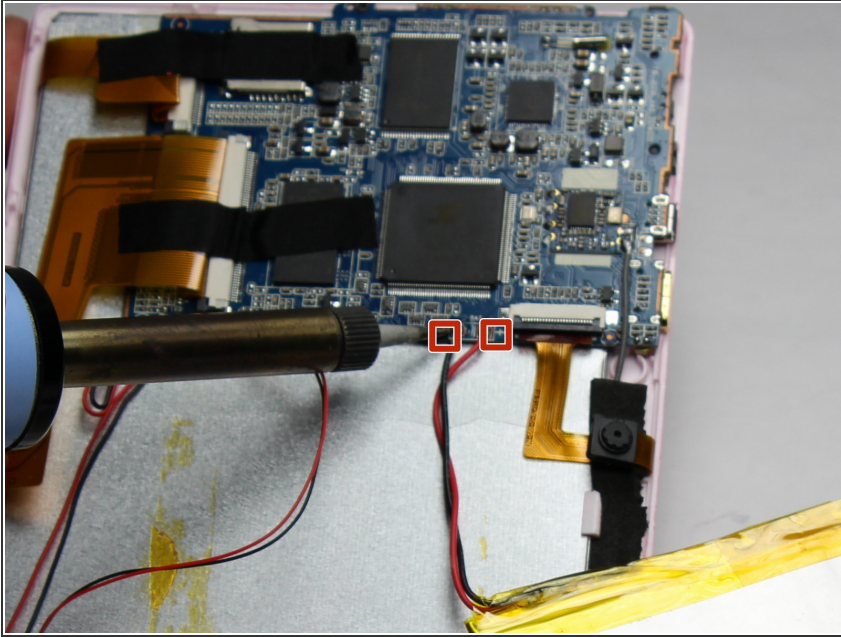
- Place your finger at the end of the tape closest to the battery.
- Peel the tape towards the flex cables to free the battery wires.

Step 4



- Using the spudger tool, place the tool along an edge of the battery.
- ⚠ Be careful not to bend or break the battery! Batteries contain hazardous materials.
- Move the spudger around the edges of the battery to detach it from the tablet.

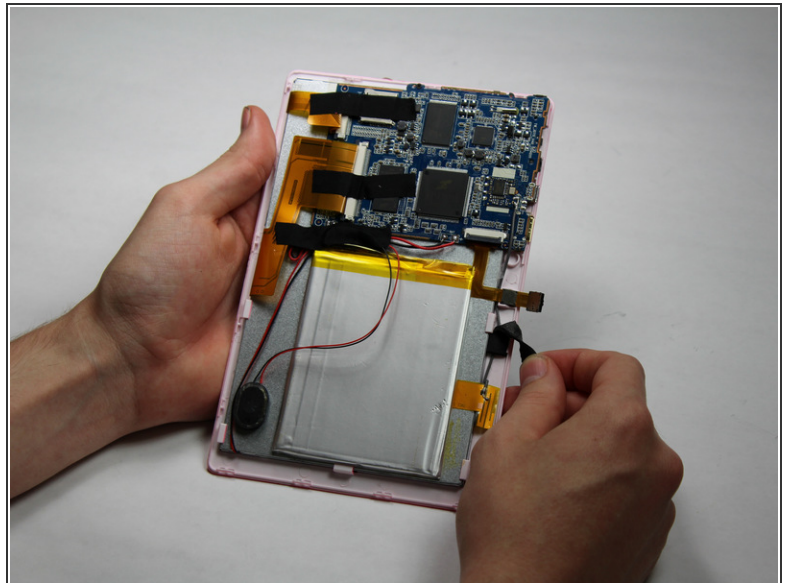
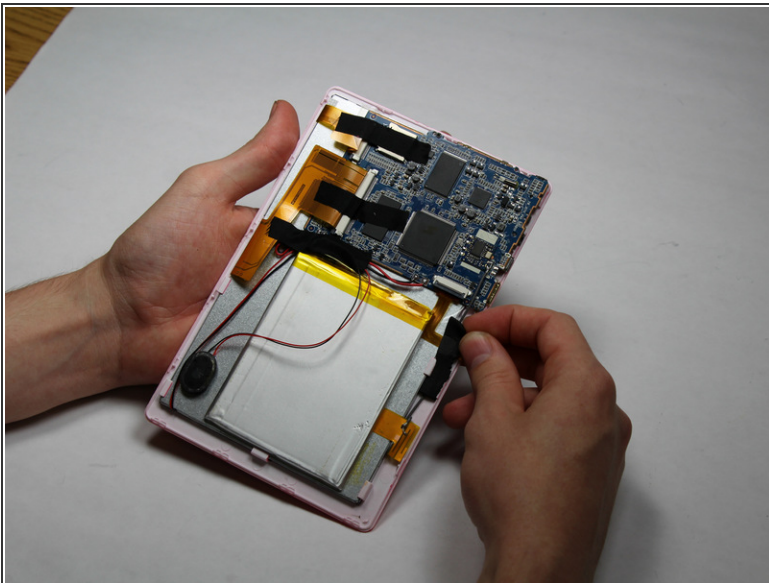
Step 5



⚠ Soldering irons get very hot! Be careful when handling one. If you'd like a tutorial on how to use one, click [here](#).

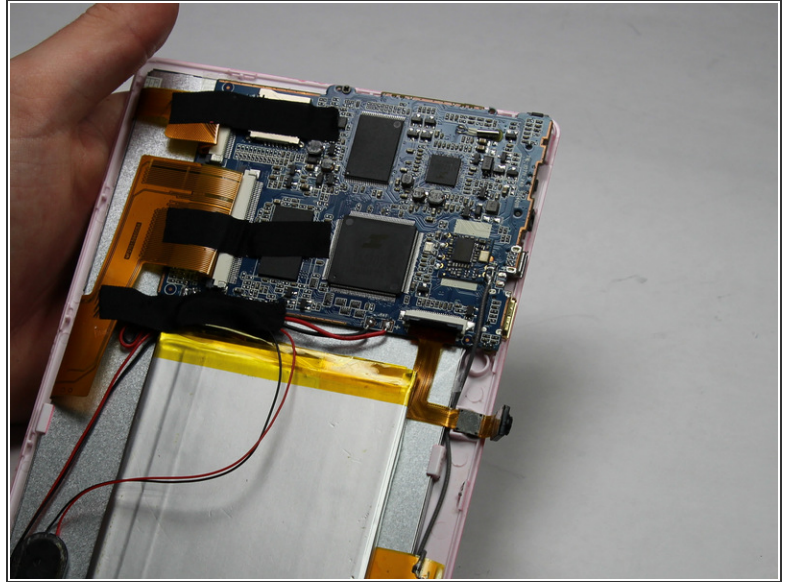
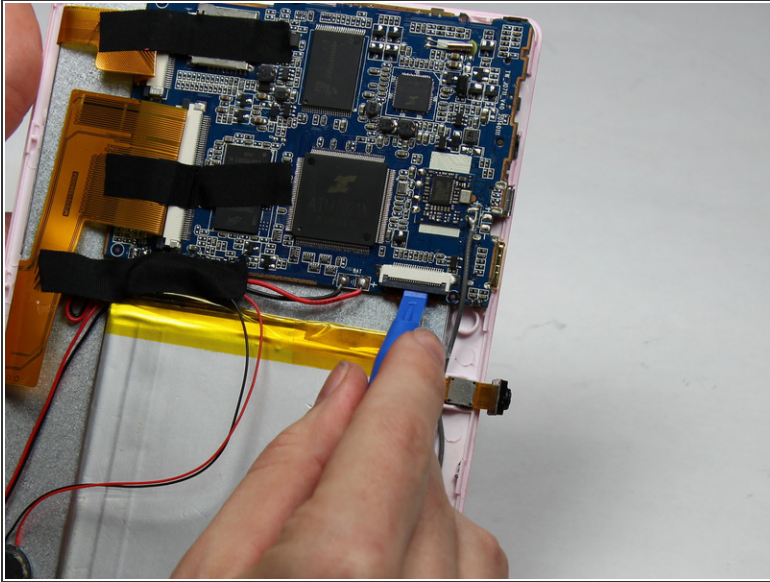
- Using a soldering iron, desolder both of the battery wires. The battery's wires are located to the left of the camera's flex cable.
- Remove the battery.

Step 6 — Camera



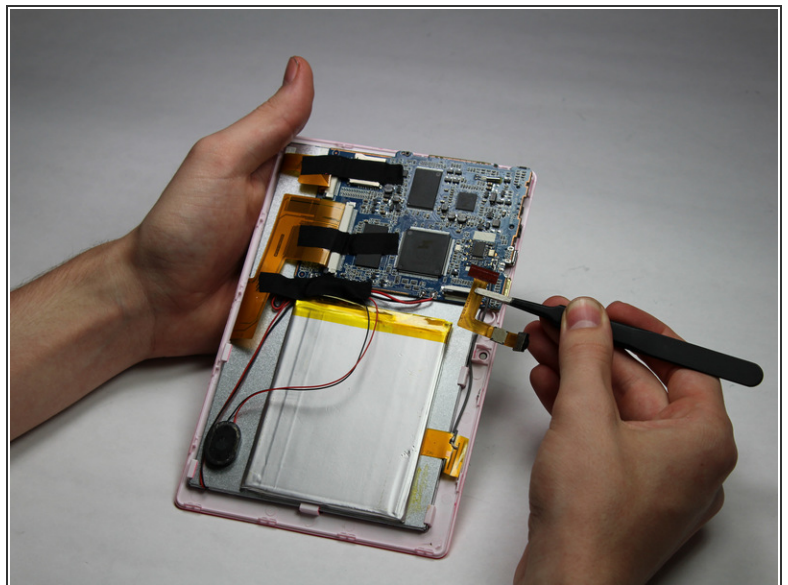
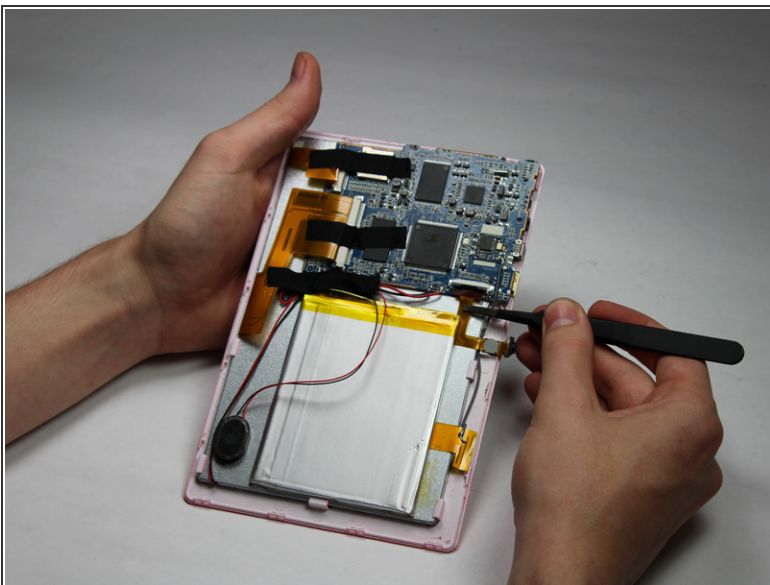
- Carefully detach one side of the black tape from the board.

Step 7



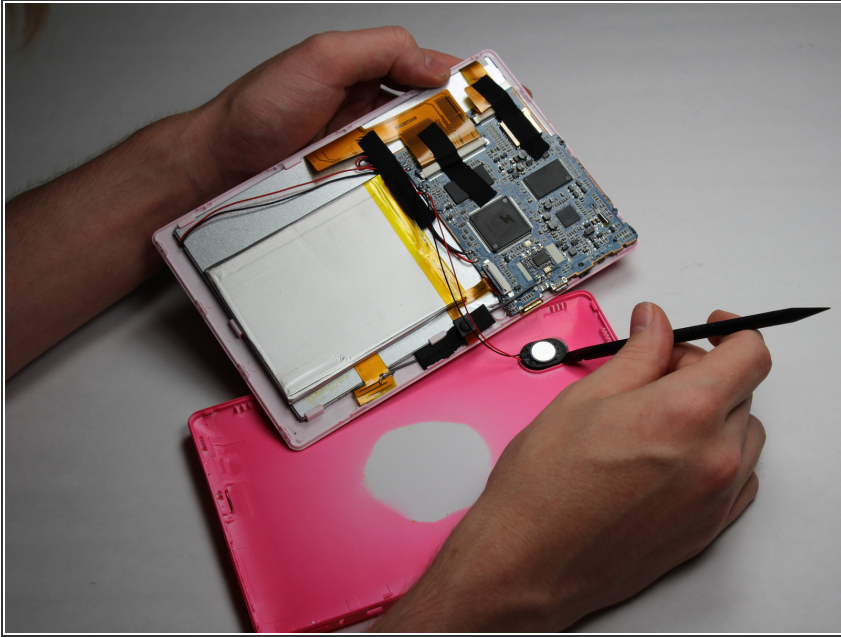
- Using a small plastic opening tool, flip the black connector up until it makes "tick" sound.
- Now, the flexing cable is ready to be removed.

Step 8



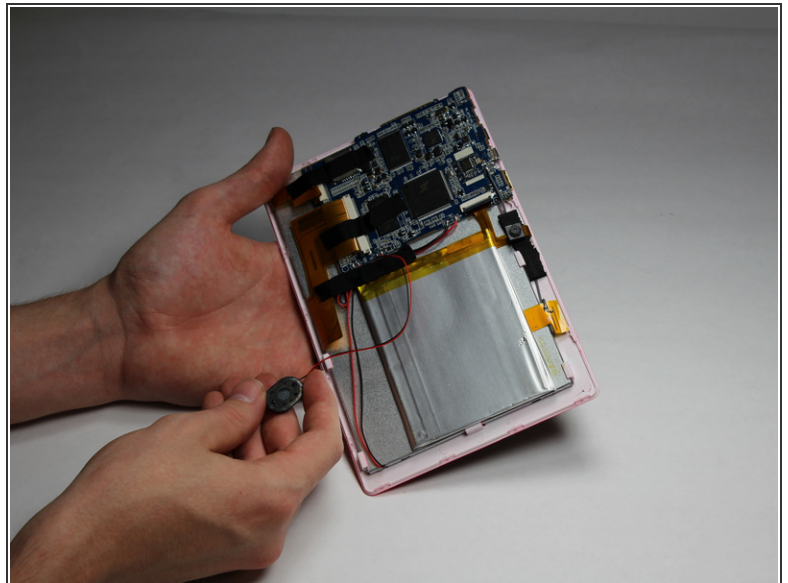
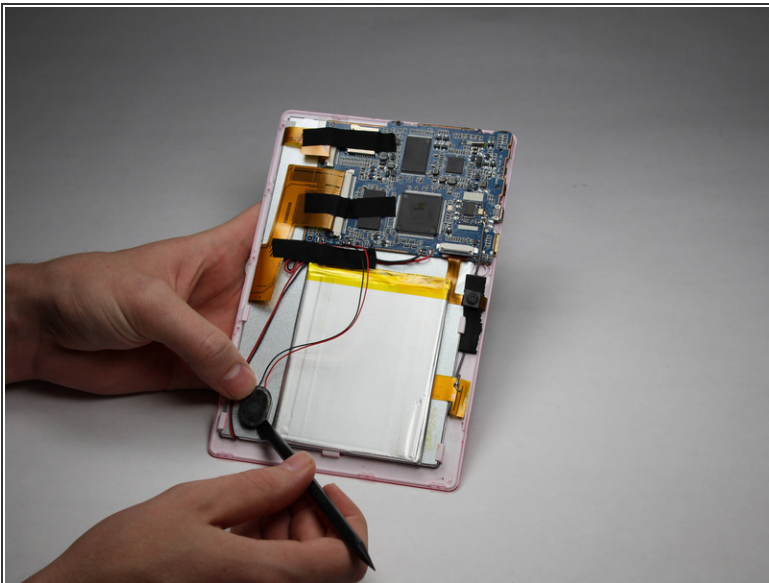
- Using a pair of tweezers, hold the flexing cable right below the black connector.
- Gently pull the flexing cable out of the connector while balancing the other side of the device with another hand.

Step 9 — Speaker



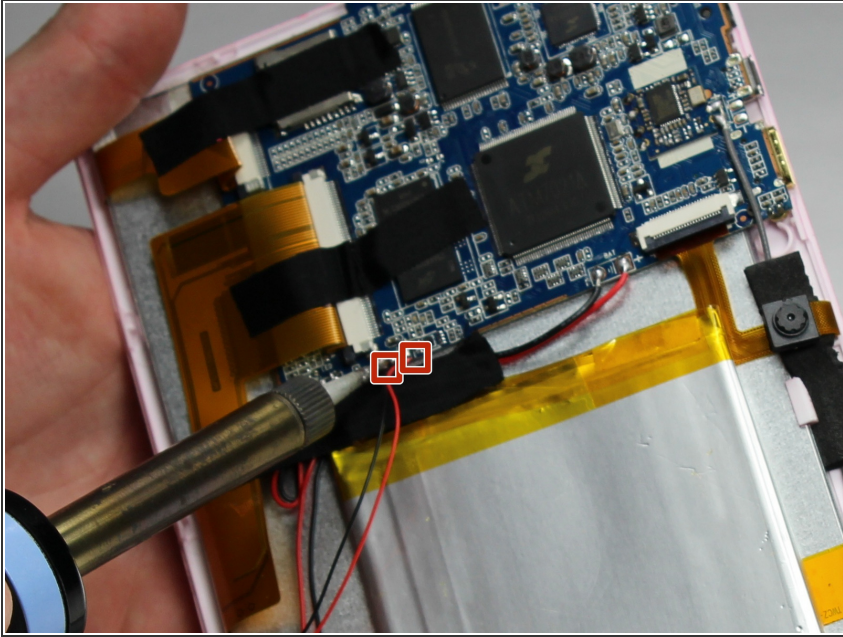
- Using your spudger tool, remove speaker from the backboard.

Step 10



- Using the spudger tool, detach the speaker from the back of the screen.

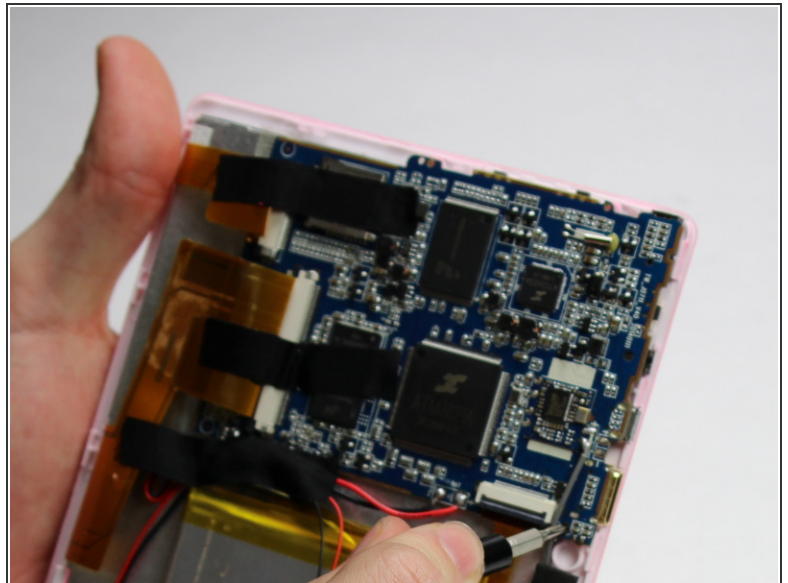
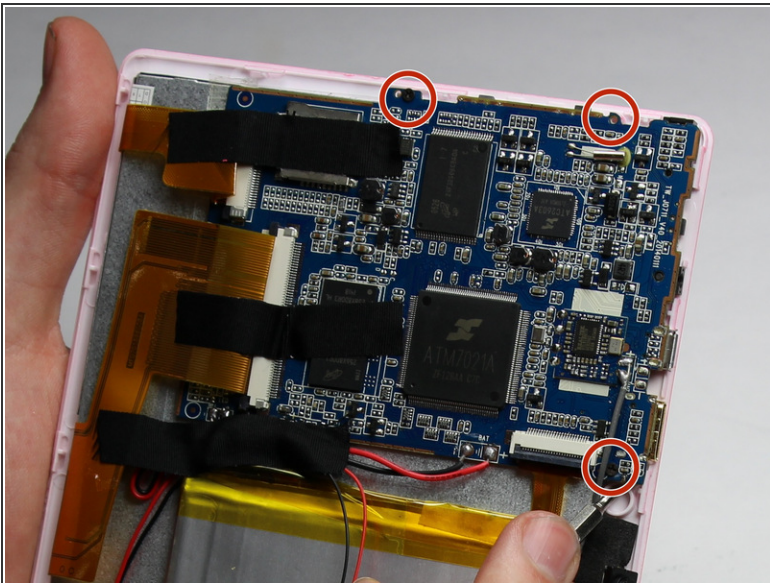
Step 11



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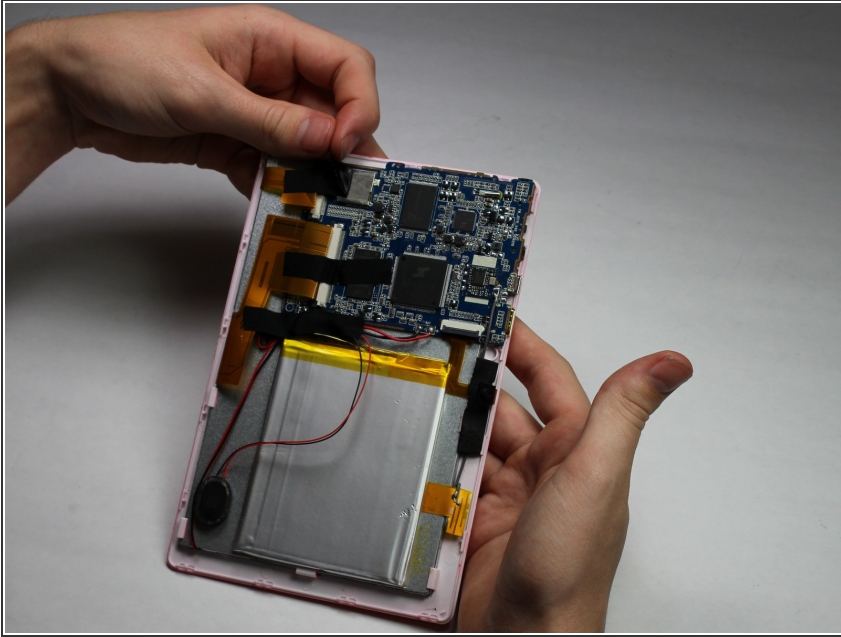
- Using a Soldering Iron, desolder both wires from the motherboard.

Step 12 — Motherboard



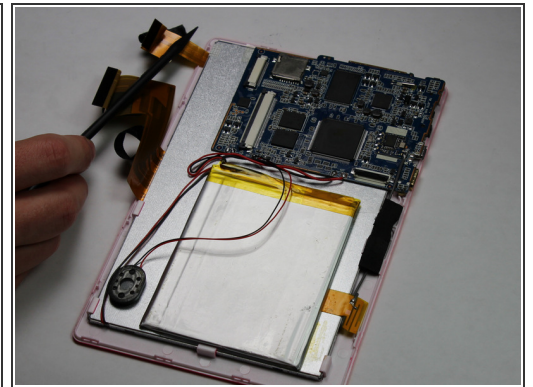
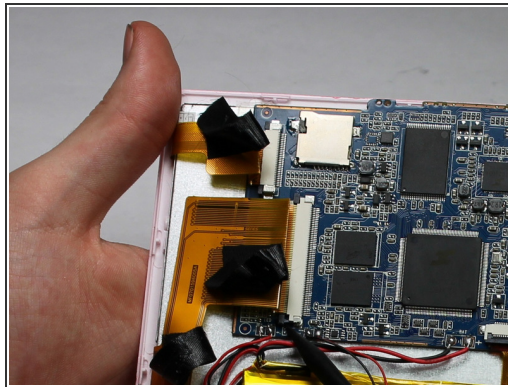
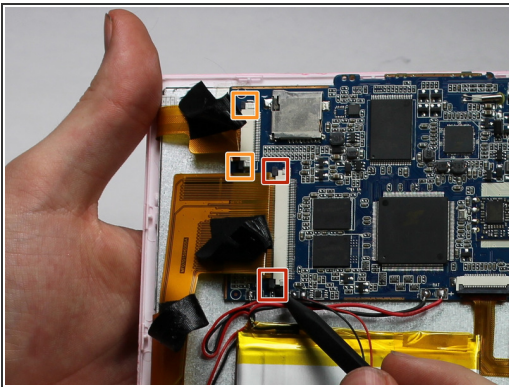
- Using a Phillips #00 Precision Screwdriver, remove the three 3mm screws by turning the screwdriver counter-clockwise.

Step 13



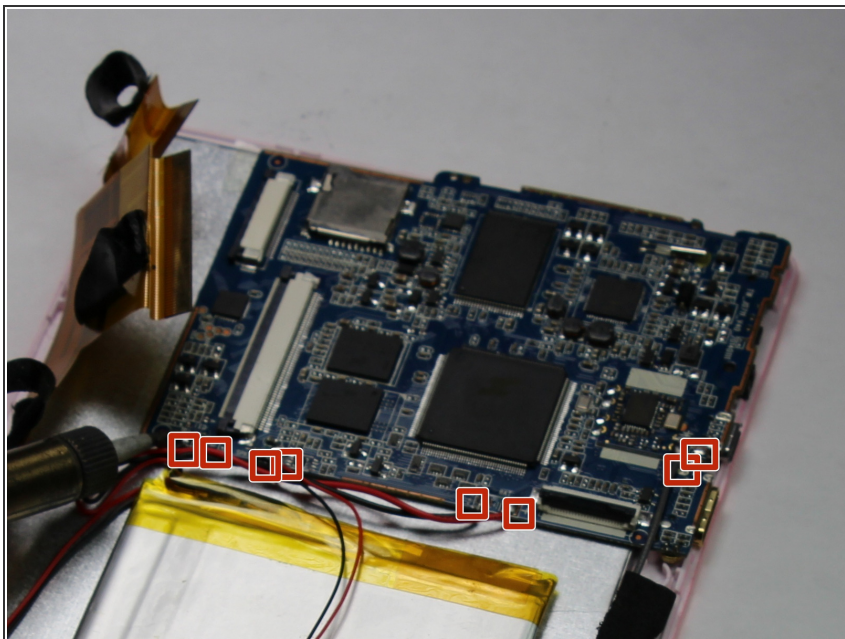
- Remove the three pieces of tap keeping the wires in place.

Step 14



- Place a spudger on the small black pins on either side of the flex cables.
- Gently push the spudger towards the back of flex cables to unlock the flex cable.
- Remove the flex cables from their insert.

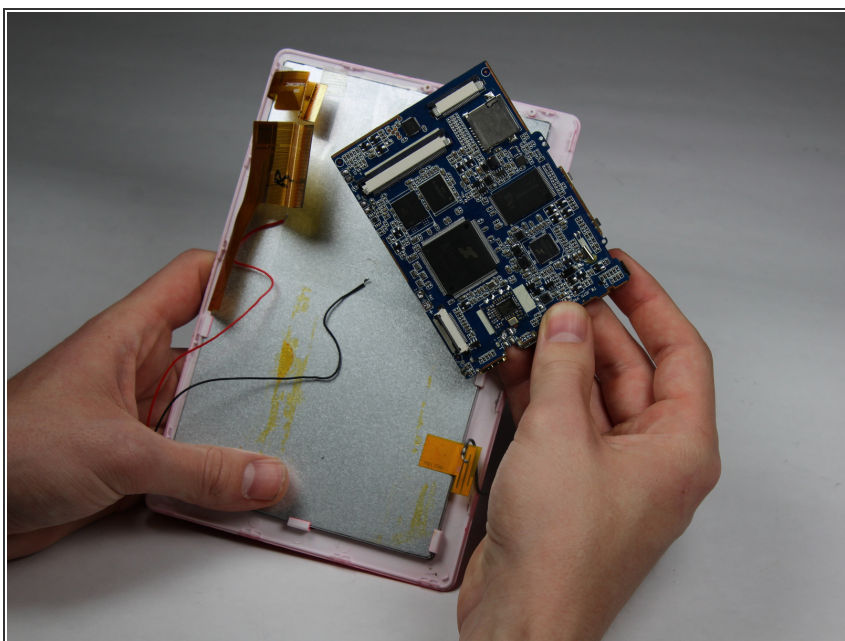
Step 15



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- Desolder the eight connections.

Step 16



- Lift the motherboard to remove.

To reassemble your device, follow these instructions in reverse order.